

ROADWAY CONSTRUCTION

STREETS

1. The typical roadway section (see Standard Detail #301) is a minimum requirement. Pending a soils investigation, additional base material and/or pavement may be required. All unsuitable soil material shall be replaced as required.
2. Compaction of subgrade shall be 95% maximum density as determined by Modified Proctor (ASTM D1557) and moisture shall not exceed optimum. Certification of subgrade compaction by an approved soils testing laboratory may be required. When weather prohibits meeting the density and moisture requirements, the City may permit the installation of Asphalt Treated Base (ATB) or *Class E* Asphalt Concrete Pavement, provided the final wearing course of asphalt pavement is not installed until authorized by the City.
3. Utility adjustments to final grade shall be done **after** the paving operations are complete, in accordance with the following:

The asphalt concrete pavement shall be removed to a neat circular shape for manholes, monuments and valves, or rectangular for catch basins, the frame adjusted to grade, and concrete placed in the entire volume of excavation up to within **3** inches of the finished surface.

On the following day, the concrete, the edges of the asphalt pavement, and the outer edge of the casting shall be painted with hot asphalt cement. Asphalt concrete pavement shall then be placed and properly compacted to finished grade.

The joint between the patch and existing pavement shall then be painted with hot asphalt cement and immediately covered with dry paving sand before the asphalt cement solidifies.

SIDEWALKS

1. Sidewalk shall be constructed in accordance with Section 8-14 of the Standard Specifications and as shown on the Standard Details.
2. Sidewalk shall be 6-inch minimum thickness where adjacent to rolled curb section, otherwise minimum thickness shall be 4-inches.

3. The concrete mix for sidewalks shall be air entrained concrete Class 3000 in accordance with the requirements of Section 6.02 of the Standard Specifications.
4. Placing and finishing of sidewalk shall be per Section 8-14.3(3) of the Standard Specification. The surfaces are to be struck off, trowled, lightly brushed in transverse direction, then jointed and edged. The finish requirements include:
 - Joints shall be tooled with ¼" radius edger
 - Sidewalk edges tooled with a ½" radius edger
 - After sidewalk is given a transverse brush finish, the edges of the sidewalk and all joints shall be lightly edged again with a 4" wide edging tool to give it a finished appearance.
 - When replacing sections of existing sidewalk or when new sidewalk adjoins existing, new concrete shall be finished to match the existing concrete or as directed by the City Engineer. Coloring agent shall be used in new concrete to match existing.
 - When castings are located in the sidewalk, joints shall be installed to control cracking. Rebar shall be installed as directed by the City to strengthen sidewalk to prevent cracking at corners of castings and other blockouts.

DRIVEWAYS

1. Driveways shall be constructed in accordance with Section 5.05.3(18) of the Standard Specifications, minimum thickness will be 9-inches. Wire mesh shall be installed on commercial driveways. Wire mesh shall be 4 inch x 4 inch, number 4 gauge per section 9-07.6 of the Standard Specifications (AASHTO M55)
2. The concrete mix for driveways shall be air entrained concrete class 3000 in accordance with the requirements of section 6.02 of the Standard specifications. The concrete driveway finish requirements include:
 - Joints shall be tooled with ¼" radius edger
 - Driveway edges tooled with a ½" radius edger
 - After driveway is given a longitudinal (transverse to vehicle flow) brush finish, the edges of the driveway and all joints shall be lightly edged again with a 4" wide edging tool to give it a finished appearance.

CURB AND GUTTER

1. Curb and gutter shall be constructed in accordance with Section 8-04 of the Standard Specifications and as shown on the Standard Details.
2. The concrete mix for curb and gutter shall be air entrained concrete class 3000 in accordance with requirements of section 6.02 of the Standard specifications.
3. After the concrete has set sufficiently, the roadway face of the curb forms shall be removed and the top and face of the curb shall receive a light brush finish, and the top of the gutter shall receive a broom finish.